

Notice of Allowability	Application No.	Applicant(s)	
	09/877,852	KILGARD ET AL.	
	Examiner	Art Unit	
	Javid A Amini	2672	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/07/04.
2. ☒ The allowed claim(s) is/are 37-41, 43 and 44.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☒ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 11/23/2004.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Javid A Amini
Examiner
Art Unit: 2672

Continued Examination Under 37 CFR 1.114

EX. A
Butt
12.15.04

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on September 07, 2004 has been entered.

An examiner's amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Wayne O. Stacy on November 23, 2004.

Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance. See Fig. 1A of publication of US 6,198,488 B1, and also see Fig 1C of publication of US 2003/0103054 A1.

Claims 42 and 45 have been cancelled.

Independent claims 37, 43 and 44 have been amended as follows:

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Claim 37.

A method for generating graphics by aliasing vertex attributes during vertex processing, the method comprising:

associating an identifier defined by an application-programmable vertex processing system with a parameter defined according to conventional vertex processing;

calling the identifier defined by the application-programmable vertex processing system; determining which parameter defined according to conventional vertex processing is associated with the called identifier; [and]

retrieving the parameter determined to be associated with the called identifier; and

generating a graphic using the retrieved parameter.

Claim 43.

A system for generating graphics by aliasing vertex attributes during vertex processing, the method comprising:

a memory device;

a plurality of instructions stored on the memory device, the plurality of instructions configured to:

associate an identifier defined by an application-programmable vertex processing system with a parameter defined according to conventional vertex processing;

call the identifier defined by the application-programmable vertex processing system; determine which parameter defined according to conventional vertex processing is associated with the called identifier; [and]

retrieve the parameter determined to be associated with the called identifier; and

generate a graphic using the retrieved parameter.

Claim 44.

A system for generating graphics by aliasing vertex attributes during vertex processing, the method comprising:

means for associating an identifier defined by an application-programmable vertex processing system with a parameter defined according to conventional vertex processing;

means for calling the identifier defined by the application-programmable vertex processing system;

means for determining which parameter defined according to conventional vertex processing is associated with the called identifier; [and]

means for retrieving the parameter determined to be associated with the called identifier;
and

generating a graphic using the retrieved parameter.

An examiner's statement of reasons

The following is an examiner's statement of reasons for allowance:

According to the Applicant's statement on the remarks dated September 07, 2004 and on page 1 line 20 of the specification the application-programmable vertex processing system is programmable, and flexible over the conventional vertex processing. The application-programmable vertex processing system assigns its own naming convention that is a name to the vertex attributes based on the various vertex attributes see table 1A on page 3 in the specification. The table 1 and table 1A on page 2 and 3 illustrate the comparison between the conventional vertex processing and the application-programmable vertex processing system.

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Examiner's understanding of the terms (configurable and programmable) that Applicant uses in the remarks dated September 7, 2004:

Configurable means configure an application by setting the application's parameters. For example: Microsoft word can be configured to print on a laser printer, and any user able to change this configuration.

Programmable means programmable whose expressions are represented by strings of characters. For example: A user who's familiar to use "C++", that is an object-oriented programming" or any other similar programming languages.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Final claim numbering:

New number	Old number	Claim type
1	37	Independent
2	38	Dependent
3	39	Dependent
4	40	Dependent
5	41	Dependent
6	43	Independent
7	44	Independent

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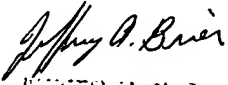
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javid A Amini whose telephone number is 703-605-4248. The examiner can normally be reached on 8-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on 703-305-4713. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Javid A Amini
Examiner
Art Unit 2672

Javid Amini


JEFFERY E. BENNETT
PRIMARY EXAMINER